# Supplementary Table 1

## PubMed

|  |  |
| --- | --- |
| Database | **PubMed** |
| Interface | National Center for Biotechnology Information (NCBI) |
| Date searched | 21st of June 2018 |
| Syntax : Fields and operators |
| ot | *Other Term*field: keywords defined by authors |
| tiab | *Title* and *Abstract*fields |
| Mesh ou [mh] | Subject heading from the *Medical Subject headings*  |
| [Mesh :NoExp] | Subject heading from the *Medical Subject headings* excluding its narrower terms in the hierarchy (not exploded) |
| Boolean operators | AND, OR |
| \* | Unlimited truncation |
| Strategy |
|

|  |  |  |
| --- | --- | --- |
| Search | Query | Items found |
| #56 | Search ((((("National Surgical Quality Improvement Program"[Title/Abstract]) OR NSQIP[Title/Abstract]) OR "National Surgical Quality Improvement Program"[Other Term]) OR NSQIP[Other Term])) AND (((((((((((((((((((((((((((((((((((((((((((((((((Economics[Mesh]) OR quality of life[Mesh:noexp]) OR Quality-adjusted life years[Mesh:noexp]) OR models, economic[Mesh:noexp]) OR markov chains[Mesh:noexp]) OR monte carlo method[Mesh:noexp]) OR decision tree[Mesh:noexp]) OR economics[sh]) OR economic\*[tiab]) OR cost[tiab]) OR costs[tiab]) OR costing[tiab]) OR costings[tiab]) OR costly[tiab]) OR costed[tiab]) OR price[tiab]) OR prices[tiab]) OR Pricing[tiab]) OR Pricings[tiab]) OR Pharmacoeconomic[tiab]) OR Pharmacoeconomics[tiab]) OR pharmaco economic[tiab]) OR pharmaco economics[tiab]) OR Budget\*[tiab]) OR Expenditure\*[tiab]) OR monetary value[tiab]) OR money[ti]) OR money value[tiab]) OR fee[tiab]) OR fees[tiab]) OR "quality of life"[tiab]) OR qol[tiab]) OR hrqol[tiab]) OR "Quality adjusted life year"[tiab]) OR qaly[tiab]) OR markov[tiab]) OR monte carlo[tiab]) OR decision tree\*[tiab]) OR decision analys\*[tiab]) OR decision model\*[tiab]) OR clinical path\*[tiab]) OR clinical pathway\*[tiab]) OR critical path\*[tiab]) OR critical pathway\*[tiab]) OR patient path\*[tiab]) OR patient pathway\*[tiab]) OR managed care[tiab]) OR managed network[tiab]) OR managed networks[tiab]) | 408 |
| #55 | Search ((("National Surgical Quality Improvement Program"[Title/Abstract]) OR NSQIP[Title/Abstract]) OR "National Surgical Quality Improvement Program"[Other Term]) OR NSQIP[Other Term] | 3114 |
| #54 | Search NSQIP[Other Term] | 488 |
| #53 | Search "National Surgical Quality Improvement Program"[Other Term] | 141 |
| #52 | Search NSQIP[Title/Abstract] | 1855 |
| #51 | Search "National Surgical Quality Improvement Program"[Title/Abstract] | 2522 |
| #50 | Search ((((((((((((((((((((((((((((((((((((((((((((((((Economics[Mesh]) OR quality of life[Mesh:noexp]) OR Quality-adjusted life years[Mesh:noexp]) OR models, economic[Mesh:noexp]) OR markov chains[Mesh:noexp]) OR monte carlo method[Mesh:noexp]) OR decision tree[Mesh:noexp]) OR economics[sh]) OR economic\*[tiab]) OR cost[tiab]) OR costs[tiab]) OR costing[tiab]) OR costings[tiab]) OR costly[tiab]) OR costed[tiab]) OR price[tiab]) OR prices[tiab]) OR Pricing[tiab]) OR Pricings[tiab]) OR Pharmacoeconomic[tiab]) OR Pharmacoeconomics[tiab]) OR pharmaco economic[tiab]) OR pharmaco economics[tiab]) OR Budget\*[tiab]) OR Expenditure\*[tiab]) OR monetary value[tiab]) OR money[ti]) OR money value[tiab]) OR fee[tiab]) OR fees[tiab]) OR "quality of life"[tiab]) OR qol[tiab]) OR hrqol[tiab]) OR "Quality adjusted life year"[tiab]) OR qaly[tiab]) OR markov[tiab]) OR monte carlo[tiab]) OR decision tree\*[tiab]) OR decision analys\*[tiab]) OR decision model\*[tiab]) OR clinical path\*[tiab]) OR clinical pathway\*[tiab]) OR critical path\*[tiab]) OR critical pathway\*[tiab]) OR patient path\*[tiab]) OR patient pathway\*[tiab]) OR managed care[tiab]) OR managed network[tiab]) OR managed networks[tiab] | 1517926 |
| #49 | Search managed networks[tiab] | 8 |
| #48 | Search managed network[tiab] | 1860 |
| #47 | Search managed care[tiab] | 16955 |
| #46 | Search patient pathway\*[tiab] | 507 |
| #45 | Search patient path\*[tiab] | 637 |
| #44 | Search critical pathway\*[tiab] | 1534 |
| #43 | Search critical path\*[tiab] | 2096 |
| #42 | Search clinical pathway\*[tiab] | 2947 |
| #41 | Search clinical path\*[tiab] | 11737 |
| #40 | Search decision model\*[tiab] | 2128 |
| #39 | Search decision analys\*[tiab] | 4687 |
| #38 | Search decision tree\*[tiab] | 6677 |
| #37 | Search monte carlo[tiab] | 43099 |
| #36 | Search markov[tiab] | 18901 |
| #35 | Search qaly[tiab] | 7066 |
| #34 | Search "Quality adjusted life year"[tiab] | 4348 |
| #33 | Search hrqol[tiab] | 13125 |
| #32 | Search qol[tiab] | 31230 |
| #31 | Search "quality of life"[tiab] | 223378 |
| #30 | Search fees[tiab] | 6887 |
| #29 | Search fee[tiab] | 10133 |
| #28 | Search money value[tiab] | 25 |
| #27 | Search money[ti] | 5000 |
| #26 | Search monetary value[tiab] | 506 |
| #25 | Search Expenditure\*[tiab] | 50274 |
| #24 | Search Budget\*[tiab] | 25931 |
| #23 | Search pharmaco economics[tiab] | 63 |
| #22 | Search pharmaco economic[tiab] | 265 |
| #21 | Search Pharmacoeconomics[tiab] | 1287 |
| #20 | Search Pharmacoeconomic[tiab] | 2657 |
| #19 | Search Pricings[tiab] | 5 |
| #18 | Search Pricing[tiab] | 4575 |
| #17 | Search prices[tiab] | 10902 |
| #16 | Search price[tiab] | 23102 |
| #15 | Search costed[tiab] | 293 |
| #14 | Search costly[tiab] | 30322 |
| #13 | Search costings[tiab] | 99 |
| #12 | Search costing[tiab] | 4046 |
| #11 | Search costs[tiab] | 182099 |
| #10 | Search cost[tiab] | 358930 |
| #9 | Search economic\*[tiab] | 241925 |
| #8 | Search economics[sh] | 393023 |
| #7 | Search decision tree[Mesh:noexp] | 10212 |
| #6 | Search monte carlo method[Mesh:noexp] | 25316 |
| #5 | Search markov chains[Mesh:noexp] | 12791 |
| #4 | Search models, economic[Mesh:noexp] | 8783 |
| #3 | Search Quality-adjusted life years[Mesh:noexp] | 10189 |
| #2 | Search quality of life[Mesh:noexp] | 163095 |
| #1 | Search Economics[Mesh] | 561318 |

 |
| Limits or filters |
| Year of publication | No limit |
| Languages | None specified |

# Supplementary Table 2

## Medline (Ovid)

|  |  |
| --- | --- |
| Database | **MEDLINE** Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily, Ovid MEDLINE and Versions(R) 1946 to June 20, 2018 |
| Interface | Ovid |
| Date searched | 27th of June 2018 |
| Syntax : Fields and operators |
| tw | *Text Word* field: includes the *Title (TI)* et*Abstract (AB)* |
| kf | *Keyword Heading*: keywords defined by authors (word search) |
| fs | Floating Sub-Heading field |
| / | Subject heading from the *Medical Subject headings* excluding its narrower terms in the hierarchy (not exploded) |
| Exp …/ | Subject heading from the *Medical Subject headings* including its narrower terms in the hierarchy |
| Boolean operators | AND, OR |
| Adj(n) | Defined adjacency, within *n* words from each other, in either direction  |
| $ | Optional and unlimited truncation |
| ? | The **optional wild card,** within or at the end of a search term, substitutes for one or no characters  |
| "…" | Literal string |
| Strategy |
|

|  |  |  |
| --- | --- | --- |
| 1 | "National Surgical Quality Improvement Program".tw. | 2518 |
| 2 | NSQIP.tw. | 1652 |
| 3 | "National Surgical Quality Improvement Program".kf. | 144 |
| 4 | NSQIP.kf. | 488 |
| 5 | exp Economics/ | 561084 |
| 6 | quality of life/ | 162918 |
| 7 | Quality-adjusted life years/ | 10183 |
| 8 | models, economic/ | 8775 |
| 9 | markov chains/ | 12784 |
| 10 | monte carlo method/ | 25299 |
| 11 | decision tree/ | 10208 |
| 12 | ec.fs. | 392783 |
| 13 | economic$.tw. | 222404 |
| 14 | (cost? or costing? or costly or costed).tw. | 488713 |
| 15 | (price? or pricing?).tw. | 34313 |
| 16 | (pharmacoeconomic? or (pharmaco adj economic?)).tw. | 3699 |
| 17 | budget$.tw. | 25733 |
| 18 | expenditure$.tw. | 49835 |
| 19 | (value adj1 (money or monetary)).tw. | 542 |
| 20 | (fee or fees).tw. | 15895 |
| 21 | "quality of life".tw. | 228177 |
| 22 | qol$.tw. | 31634 |
| 23 | hrqol$.tw. | 13004 |
| 24 | "Quality adjusted life year$".tw. | 10063 |
| 25 | qaly$.tw. | 8478 |
| 26 | markov$.tw. | 20680 |
| 27 | monte carlo.tw. | 42488 |
| 28 | (decision adj2 (tree$ or analys$ or model$)).tw. | 17390 |
| 29 | ((clinical or critical or patient) adj (path? or pathway?)).tw. | 5516 |
| 30 | (managed adj2 (care or network?)).tw. | 17777 |
| 31 | 1 or 2 or 3 or 4 | 3149 |
| 32 | 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 | 1511652 |
| 33 | 31 and 32 | 415 |
| 34 | from 33 keep 1-415 | 415 |
| 35 | limit 34 to (english or french) | 415 |

 |
| Limits or filters |
| Languages | English or French |

# Supplementary Table 3

## Embase (Ovid)

|  |  |
| --- | --- |
| Database | **Embase** 1974 to 2018 July 03 |
| Interface | Ovid |
| Date searched | 5th of July 2018 |
| Syntax : Fields and operators |
| ti | *Title* field |
| ab | *Abstract*field |
| kw | *Keyword* field: keywords defined by authors |
| …/ | Subject heading from the Emtree thesaurus |
| Boolean operators | AND, OR |
| Adj(n) | Defined adjacency, within *n* words from each other, in either direction |
| $ | Optional and unlimited truncation |
| ? | Optional wild card |
| "…" | Literal string |
| Strategy |
|

|  |  |  |
| --- | --- | --- |
| 1 | economic aspect/ | 111789 |
| 2 | exp economics/ | 242996 |
| 3 | health economics/ | 35973 |
| 4 | "cost"/ | 58868 |
| 5 | exp economic evaluation/ | 275464 |
| 6 | exp financial management/ | 388464 |
| 7 | exp "health care cost"/ | 264830 |
| 8 | exp pharmacoeconomics/ | 193026 |
| 9 | "quality of life"/ | 391781 |
| 10 | Markov chain/ | 2720 |
| 11 | Monte Carlo method/ | 33342 |
| 12 | de.fs. | 2727 |
| 13 | economic$.ti,ab. | 285265 |
| 14 | (cost? or costing? or costly or costed).ti,ab. | 648359 |
| 15 | (price? or pricing?).ti,ab. | 48255 |
| 16 | (pharmacoeconomic? or (pharmaco adj economic?)).ti,ab. | 7729 |
| 17 | budget$.ti,ab. | 33275 |
| 18 | expenditure$.ti,ab. | 64972 |
| 19 | (value adj1 (money or monetary)).ti,ab. | 694 |
| 20 | (fee or fees).ti,ab. | 20682 |
| 21 | "quality of life".ti,ab. | 356270 |
| 22 | qol$.ti,ab. | 59964 |
| 23 | hrqol$.ti,ab. | 20986 |
| 24 | "Quality adjusted life year$".ti,ab. | 15071 |
| 25 | qaly$.ti,ab. | 15872 |
| 26 | markov$.ti,ab. | 24831 |
| 27 | monte carlo.ti,ab. | 39817 |
| 28 | (decision adj2 (tree$ or analys$ or model$)).ti,ab. | 24511 |
| 29 | ((clinical or critical or patient) adj (path? or pathway?)).ti,ab. | 8632 |
| 30 | (managed adj2 (care or network?)).ti,ab. | 21348 |
| 31 | 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 | 2113854 |
| 32 | "National Surgical Quality Improvement Program".ti,ab. | 3791 |
| 33 | NSQIP.ti,ab. | 3518 |
| 34 | "National Surgical Quality Improvement Program".kw. | 218 |
| 35 | NSQIP.kw. | 639 |
| 36 | 32 or 33 or 34 or 35 | 5323 |
| 37 | 31 and 36 | 644 |
| 38 | limit 37 to (english or french) | 643 |

 |
| Limits or filters |
| Languages | English or French |

# Supplementary Table 4

## Cochrane library

|  |  |
| --- | --- |
| Database | **Cochrane Database of Systematic Reviews (CDSR), Cochrane Central Register of Controlled Trials (CENTRAL), Database of Abstracts of Reviews of Effects (Dare), NHS Economic Evaluation database (NHS EED) et Health Technology Assessment Database (HTAd)** |
| Interface | Cochrane Library - Wiley |
| Date searched | 5th of July 2018 |
| Syntax : Fields and operators |
| ti | *Title* field |
| ab | *Abstract*field |
| kw | *Keywords*field |
| "…" | Literal string |
| Strategy |
| NSQIP:ti,ab,kw or "National Surgical Quality Improvement Program":ti,ab,kw in Cochrane Reviews (Reviews and Protocols), Other Reviews, Trials, Methods Studies, Technology Assessments and Economic Evaluations (Word variations have been searched) |
| DetailsCDSR = 0CENTRAL = 125Dare = 0NHS EED = 4[[1]](#footnote-2)HTAd = 0 |
| Limits or filters |
| None |

# Supplementary Table 5

## Other sources searched

|  |  |
| --- | --- |
| **Source** | **URL** |
| Agency for Healthcare Research and Quality - U.S. Department of Health and Human Services | <https://www.ahrq.gov/> |
| Alberta Government - Health Technologies Assessment | <http://www.health.alberta.ca/initiatives/health-evidence-reviews-list.html> |
| Canadian Agency for Drugs and Technologies in Health | <https://www.cadth.ca/search>  |
| Centre for Reviews and dissemination | <https://www.crd.york.ac.uk/CRDWeb/HomePage.asp>  |
| EuroScan International Network | <https://www.euroscan.org/>  |
| Grey literature report (The New York Academy of Medicine) | <http://www.greylit.org/>  |
| Health Improvement Scotland | <http://www.healthcareimprovementscotland.org/>  |
| Health Quality Council of Alberta | <http://hqca.ca/studies-and-reviews/completed-reviews/>  |
| Health Quality Ontario | <https://www.hqontario.ca/>  |
| Health Systems Evidence | <https://www.healthsystemsevidence.org/>  |
| International Network of Agencies for Health Technology Assessment | <http://www.inahta.org/publications/>  |
| Institut national d'excellence en santé et services sociaux | <https://www.inesss.qc.ca/publications/publications.html>  |
| Institute for Clinical Evaluative Sciences | <https://www.ices.on.ca/Publications>  |
| Institute of Health Economics | <http://www.ihe.ca/publications>  |
| Joanna Briggs Institute Database of Systematic Reviews | <http://journals.lww.com/jbisrir/pages/advancedsearch.aspx>  |
| National Institute for Health and Care Excellence - Evidence Search | <https://www.evidence.nhs.uk/>  |
| NHS EED (through the CRD) | <https://www.crd.york.ac.uk/CRDWeb/HomePage.asp>  |
| PDQ-Evidence | <https://www.pdq-evidence.org/en/>  |
| Prospero | <https://www.crd.york.ac.uk/prospero/>  |
| Swedish Agency For Health Technology Assessment And Assessment Of Social Services | <http://www.sbu.se/en/publications/>  |
| TRIP - Turning Research into practice Database | <https://www.tripdatabase.com/>  |
| UBC’s Centre for Health Services and Policy Research | <http://chspr.ubc.ca/publications/>  |
| World Health Organization Europe - Health Evidence Network | <http://data.euro.who.int/HEN/Search/HenSearch.aspx>  |
| World Health Organization HTA - Medicines and Health Products | <http://apps.who.int/medicinedocs/en/q/>  |
| World Health Organization | <https://www.who.int>  |

1. An additional reference was retrieved from NHS EED through the Centre for Reviews and Dissemination (CRD) interface. [↑](#footnote-ref-2)